



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 22] नई दिल्ली, शनिवार, जून 3, 1978 (ज्येष्ठ 13, 1900)  
No. 22] NEW DELHI, SATURDAY, JUNE 3, 1978 (JYAISTHA 13, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 3rd June 1978

The following notification published in the Gazette of India, Part II, Section 3(ii) dated the 8th April, 1978 is reproduced below :—

Government of India  
Ministry of Industry  
(Deptt. of Industrial Development)  
New Delhi, the 27th March 1978

#### NOTIFICATION

S. O. 998.—In exercise of the powers conferred by section 152 of the Patents Act, 1970 (39 of 1970), the Central Government hereby makes the following amendment in the notification of the Government of India in the late Ministry of Industry and Civil Supplies (Department of Industrial Development) No. S.O. 2819, dated the 30th August, 1975 published in the Gazette of India, Part II, Section 3 sub-section (ii) dated the 30th August 1975 at page 3160, namely :—

In the said notification, against item "10 Maharashtra Poona", for the entry "The Curator, Mahatma Phule Vastu Sangrahalaya, Poona, Ghole Road, Poona-411004, Maharashtra", the following entry shall be substituted namely :—

"The Secretary,

Mahratta Chamber of Commerce and Industries,  
Tilak Road, Poona-411002"

(F. No. 18(4)/78-PP&C)

Sd. /-

(P. R. CHANDRAN)

Deputy Secy.

(433)

APPLICATION FOR PATENTS FILED AT THE  
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under the Section 135 of the Act.

27th April, 1978.

461/Cal/78. Gypsum Industries Limited. Improvements relating to gypsum products.

462/Cal/78. Fives-Cail Babcock. Lubricating system for shoe bearing supporting a rotating body of large diameter, such as a rotary grinding mill.

463/Cal/78. Fives-Cail Babcock. Device for taking up axial stresses of a rotating body of large diameter.

28th April, 1978.

464/Cal/78. CUV "Progress". Device for the introduction of linguistic information

465/Cal/78. Allen & Hanburys Limited. Device for dispensing medicaments. (April 29, 1977).

466/Cal/78 American Cyanamid Company. Insecticidal and acaricidal agents. [Addition to No. 1654/Cal/77].

29th April, 1978.

467/Cal/78. Mobil Oil Corporation. Ethyltoluene isomer mixtures.

468/Cal/78. Marion Power shovel Company, Inc. Power shovel and crowd system. [Divisional date November 4, 1974].

469/Cal/78 Hokuriku Pharmaceutical Co. Ltd. Process for substituted quinolizidine and indolizidine derivatives and the preparation thereof.

470/Cal/78. Tulsy Proektno-Konstruktorsky Tekhnologicheskyy Institut Mashinostroenia. Cast iron modifier and method of application thereof.

1st May, 1978.

- 471/Cal/78. Laroche Navarron S. A. Process for the preparation of new citromene derivatives. (May 9, 1977).

2nd May, 1978.

- 472/Cal/78. Siemens Aktiengesellschaft. Improvements in or relating to damping stops. (January 20, 1978).
- 473/Cal/78. Siemens Aktiengesellschaft. Improvements in or relating to printing machines. (September 1, 1977).
- 474/Cal/78. M. L. Suri. A modular structure for conveying water.
- 475/Cal/78. Meghalaya Phytochemicals Limited. Improvements in pest repellents.
- 476/Cal/78. Montedison S.p.A. Improved process for the synthesis of urea.
- 477/Cal/78. VEB Kombinat Medizin- UND Labortechnik Leipzig. Face and forehead covering mask respirator for respiratory protection.
- 478/Cal/78. The Echlin Manufacturing Company. Switchable magnetic device and method of manufacturing same.

3rd May, 1978.

- 479/Cal/78. Prolizen AG. Continuous casting of metals.
- 480/Cal/78. Veb Kombinat Medizin- Und Labortechnik Leipzig. Attachment of the internal mask at the connection piece of a mask for respiratory protection.
- 481/Cal/78. Valmet OY. Procedure for loading and/or unloading a dry goods carrying vessel.
- 482/Cal/78. Johns Manville Corporation. Method of reducing deterioration of electric furnace refractory metal components.

#### APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

1st April, 1978.

- 239/Del/78. Z. Lenartowicz. Soil improvement method and product.

3rd April, 1978.

- 240/Del/78. Firestone Tyre & Rubber Company. Lubricant.
- 241/Del/78. Tesa S. A. Interior gauge.
- 242/Del/78. Societe Carbochimique Societe Anonyme. Method and compositions for controlling the carbohydrates formation in vegetables. (April 19, 1978).
- 243/Del/78. Westinghouse Brake and Signal Company Limited. Improvements to rail systems. (April 29, 1977).
- 244/Del/78. Gestetner Limited. Improvements in or relating to stencil loading devices for stencil duplicators. (April 29, 1977).
- 245/Del/78. Union Carbide Corporation. Method for electrolytic disposition of manganese.
- 246/Del/78. Ciba-Geigy AG. Process for increasing silk production.

5th April, 1978.

- 247/Del/78. L. Dass. Various drawing operations.
- 248/Del/78. Tencge Desenvolvimento E Engenharia S/A., L. Farnoni, and Rua Dr. Mario Frerie. Continuous processes and equipment for the treatment of solid substances in general, with specific application for the gasification of coals and shales and direct reduction of iron ores.

- 249/Del/78. Telefonaktiebolaget L. M. Ericsson. Arrangement for branching an information flow.

6th April, 1978.

- 250/Del/78. Council of Scientific and Industrial Research. A process for obtaining hypolipædemic and anti-platelet aggregation fraction from guggulresin.
- 251/Del/78. M. P. George. Animal driven bellow-pump-set for irrigation from shallow wells.

7th April, 1978.

- 252/Del/78. A. Misra. Improvements relating to the construction of pole-faces on a salient-pole synchronous electric machine.
- 253/Del/78. S. R. K. Textiles. Improvements in or relating to semi-automatic 4×4 power looms.
- 254/Del/78. F. Lli Marzoli & C. S.p.A. Spinning and twisting mechanism.
- 255/Del/78. Maremont Corporation. Compression head assembly.
- 256/Del/78. Schering Aktiengesellschaft. A device for the inhalation of medicaments.
- 257/Del/78. Humphreys Engineering Company. Method and apparatus for distributing slurries.

#### APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

12th April, 1978.

- 102/Bom/78. C. M. Shah. An invention for an apparatus for sealing.

13th April, 1978.

- 103/Bom/78. Hindustan Lever Limited. Paraffin separation.

14th April, 1978.

- 104/Bom/78. Godrej & Boyce Mfg. Co. Pvt. Ltd. A panel connector.
- 105/Bom/78. J. C. Parekh. Improvements in or relating to a method of cutting marble block to form flooring tiles and the like.
- 106/Bom/78. Dr. S. V. Patwardhan. Improvements in or relating to a process of and an equipment for purification of fluids by filtration.

- 107/Bom/78. Dr. S. V. Patwardhan. Improvements in or relating to a process of and an equipment for purification of fluids by sedimentation.

18th April, 1978.

- 108/Bom/78. Davy Bamag GmbH. Coal gasification process. [Divisional date 23rd June 1976].
- 109/Bom/78. Davy Bamag GmbH. Coal gasification process. [Divisional date 23rd June 1976].
- 110/Bom/78. Davy Bamag GmbH. Coal gasification process. [Divisional date 23rd June 1976].

19th April, 1978.

- 111/Bom/78. M/s. Camphor & Allied Products Limited. A process for the isomerisation of (+)-trans-Isolimonene to (+)-Isoterpinolene. [Divisional date 28th May 1976].
- 112/Bom/78. G. G. Bapat and N. C. Patel. Small diameter, full length continuous core premer for use in large diameter blast holes.
- 113/Bom/78. Ion Exchange (India) Limited. A method of detoxification of formaldehyde in a formaldehyde-bearing effluent.
- 114/Bom/78. Ion Exchange (India) Limited. Process for preparing high purity salt from sea-water.

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

1st April, 1978.

48/Mas/78. The South India Textile Research Association. Improvements in or relating to web transfer mechanism in double carding.

3rd April, 1978.

48/Mas/78. E. Krishnaveni. Improvements in or relating to Stoves.

5th April, 1978.

50/Mas/78. R. Yegnayaraman. A grinder.

51/Mas/78 C. I. Seshagiri Rao. Improvements in or relating to sugar cane crusher for milling cane.

6th April, 1978.

52/Mas/78. T. Seshagiri. A weighing machine.

7th April, 1978.

53/Mas/78 Tube Investments of India Limited. A weighing device.

10th April, 1978.

54/Mas/78. M/s. E. I. D. -Parry (India) Ltd. An improved counter-current ion-exchange apparatus.

11th April, 1978.

55/Mas/78. T. Seshagiri. A weighing machine.

12th April, 1978.

56/Mas/78. V. Joshua Pressure indicating device.

15th April, 1978.

57/Mas/78. M. S. Meeran. Agro Cycle.

18th April, 1978.

58/Mas/78 M. H Rahaman. Mechanical flexible coupling.

59/Mas/78. A Chinnaiah. Elimination of joints in trains by inclined gaps in rails.

24th April, 1978.

60/Mas/78. S. P Raj. Electric shock protector.

26th April, 1978.

61/Mas/78 V. V. Thanga Thirupathy. Smoke and dust filters for industries and Transport vehicles.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interest in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India, Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due Course. The price of each specification is Rs. 2/- (postage extra if sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32B &amp; 40Ae.

144650

Int. Cl.-C07b 27/00.

## ALKYLATION REACTION CHAMBER.

*Applicant* : UOP INC, AT TEN UOP PLAZA—ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, U.S.A.

*Inventor* : ROBERT FRANCIS ANDERSON.

Application No 715/Cal/75 filed April 9, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

An acid-catalyzed alkylation reaction chamber characterized by :

(a) a vertically-disposed, elongated vessel having internal heat removal means;

(b) an acid inlet port at the lower end of said vessel and a reaction product outlet port at the upper end of said vessel;

(c) a plurality of reactant stream inlet ports disposed along said vessel between said acid inlet port and said reaction product outlet port;

(d) a plurality of solid baffle means disposed in said vessel perpendicular to the longitudinal axis thereof; and

(e) a plurality of reactant injection assemblies, disposed within said vessel through one of said reactant stream inlet ports; said reactant injection assemblies having a multiplicity of spray nozzles.

CLASS 32F, &amp; F3a &amp; F3c &amp; F3d &amp; 55E2. 144651.

Int. Cl.-C07c 35/06.

## PROCESS FOR THE PREPARATION OF PROSTANE DERIVATIVES.

*Applicant* : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1F 3JF, ENGLAND.

*Inventor* : JEAN BOWLER.

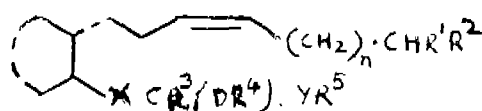
Application No. 1930/Cal/76 filed August 4, 1976.

Convention date August 22, 1975/(34969/75) U.K.

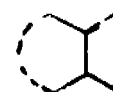
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A process for the manufacture of a prostane derivative of the formula I.

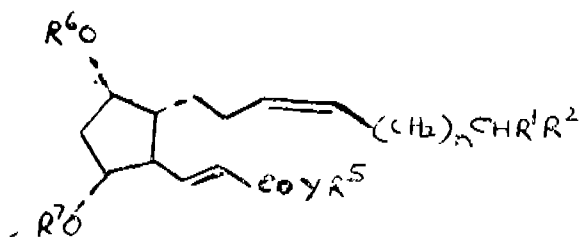


wherein the group shown in Fig. 1.



represents A, and R<sup>1</sup> is a carboxy radical or a C<sub>1-12</sub> alkoxy-carbonyl radical, or a hydroxymethyl or C<sub>1-12</sub> alkoxy-methyl

radical,  $R^3$ ,  $R^4$  and  $R^5$ , are each a hydrogen atom, X is ethylene or *trans*-vinylene radical, Y is a  $C_{1-3}$  alkyleneoxy radical, wherein the oxygen atom is bonded to  $R^6$ , a  $C_{1-3}$  alkylene radical, or a direct bond,  $R^7$  is a phenyl or naphthyl radical which is unsubstituted or is substituted by one or more substituents selected from halogen atom, nitro radicals, and  $C_{1-3}$  alkyl, alkoxy and halogenoalkyl radicals, and n is 1 to 4 and for those compounds wherein  $R^1$  is a carboxy radical the pharmaceutically or veterinarily acceptable salts thereof, which comprises the reduction as hereinbefore described of an enone of the formula II.



wherein either  $R^7$  is a hydrogen atom and  $R^8$  is a hydrogen atom or a hydroxy-protecting radical, or  $R^9$  and  $R^7$  are each a hydroxy-protecting radical as defined above, whereafter, when either or both of  $R^9$  and  $R^7$  is a hydroxy-protecting radical, the product so obtained is hydrolysed.

CLASS 128A.

144652.

Int. Cl.-A61b 17/06.

## PACKAGE FOR ARMED SUTURES.

*Applicant*: ETHICON INC., AT SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

*Inventors*: EBERHARD THYEN AND PETER KOMARNYCKY.

Application No. 1845/Cal/76 filed October 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

A one-piece folded suture package comprising a front panel, a first inner panel, a second inner panel and a back panel, said first and second inner panels having needle mounting means at the upper end thereof and suture strand retaining means at the lower end thereof corresponding in number to said needle mounting means, said first inner panel extending above the top of said front panel to expose said needle mounting means of said first inner panel, said second inner panel extending above the top of said first inner panel to expose said needle mounting means of said second inner panel, at least one armed suture comprising a suture strand having at least one needle affixed to an end thereof mounted on each of said inner panels with the needles of said sutures mounted on said needle mounting means and the strands of said sutures secured by said suture strand retaining means, and means for securing said package in said folded construction.

CLASS 136C &amp; 29C.

144653.

Int. Cl.-17/00, 5/00.

## ARTICLE FROM THERMOPLASTIC MATERIAL, A METHOD FOR FORMING THE SAME AND AN APPARATUS THEREFOR.

*Applicant*: METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

*Inventor*: GRAHAM ERNEST MEAD.

Application No. 1159/Cal/76 filed June 30, 1976.

Convention date July 3, 1975/(28002/75) U. K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method of forming an article such as hereinbefore defined from thermoplastic material, comprising the steps of advancing a tube of a first thermoplastic material towards an extrusion die whilst applying to the inner and outer surfaces of the tube respective coatings of a second and a third thermoplastic material having a smaller material thickness than the tube, advancing the coated tube through and outwardly or the die so as to produce a tubular parison in which the coatings are intimately laminated to the tube, and forming the said article by blow-moulding a portion of the parison or a preform formed therefrom.

CLASS 50F.

144654.

Int. Cl.-F25d 21/00.

## AN IMPROVED DEFROST SYSTEM FOR REFRIGERATORS.

*Applicant*: KELVINATOR OF INDIA LIMITED, 28, N.I.T., FARIDABAD (HARYANA), INDIA.

*Inventor*: MR. AMRITLAL KASHIRAM MEHTA.

Application No. 375/Cal/77 filed November 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims

An improved defrost system for disposal of the defrost water in refrigerators comprising a separate sealed unit charged with a low pressure condensing and evaporating fluid, the said sealed unit consisting of a condensing coil fixed inside the container for the defrost water and a cooling tube fixed inside the compressor; the said coil and tube being connected by means of inlet and outlet tubes and together constituting the said sealed unit and the whole arrangement being such that while passing through the compressor the said fluid in the cooling tube takes up the heat from the compressor and carries it to the condensing coil fixed in the container of the defrost water through natural circulation, where it releases the said heat in the form of a latent heat of condensation of the fluid, thereby expediting the disposal of the defrost water through faster evaporation.

CLASS 98-I.

144655.

Int. Cl. F24j 3/02.

## IMPROVEMENTS IN OR RELATING TO SOLAR WATER HEATERS.

*Applicant*: KELVINATOR OF INDIA LIMITED, 28, N.I.T. FARIDABAD, (HARYANA), INDIA.

*Inventor*: MR. AMRITLAL KASHIRAM MEHTA.

Application No. 376/Del/77 filed November 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

An improved solar water heater which comprises a solar heat collector, the said collector consisting of aluminum plates in which aluminium tubes are clinched together to form one integrated unit and the collector plates are coated with durable black paint; inlet and outlet headers such that the outlet header received supply of hot water from the said collector and the inlet header the cold water through a non-return valve from the water storage tank; a storage tank insulated from outside and fitted with an outer metallic cover and having connection for supply of cold water and provision for a float valve and overflow connections for the inlet headers and outlet for the hot water characterised in that the said collector plates are covered by a pair of glass panels arranged horizontally one over the other in such a manner that a small relative distance is kept between the said two glass panels which are assembled together with suitable channels and gaskets in order to minimise the heat transfer losses.

## CLASS 116G.

144656.

Int. Cl.-B65g 53/04, 53/36.

IMPROVEMENTS RELATING TO A PLANT FOR PNEUMATIC TRANSPORTATION OF GOODS IN CONTAINERS THROUGH A PIPELINE.

*Applicant*: SPEISIALNOE KONSTRUKTORSKOE BIURO "TRANSPROGRESS" B. OSTROUMOVSKAYA ULISA 12, MOSCOW, USSR.

*Inventors*: ADOLF MORITSOVICH ALEXANDROV, VALDIMIR EFIMOVICH AGLITSKY, ILYA SOLOMONOVICH KANTOR, JURY ABRAMOVICH TSIMBLER, JURY ARNOLDOVICH TOPOLYANSKY, SERGEI MIKHAILOVICH SUSEKOV, DMITRY RUDOLFOVICH GUN, IGOR IGORIEVICH VOLYANSKY, GENNADY ALEXEEVICH PERISEV, ZOYA TIMOFEEVNA DEVYATKINA AND ABRAMOVICH FELDMAN.

Application No. 1761/Cal/75 filed September 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A plant for transportation of goods in containers through pipeline comprising a switch means having one end thereof connected with said pipeline; a container-receiving trough connectable for receiving the containers with the other end of said switch means; a device for arresting the containers connectable for receiving the containers with the opposite end of said container-receiving trough; a device for advancing the containers along said container-receiving trough, mounted on said trough movably therealong; means for driving said container-advancing device longitudinally guideways extending substantially perpendicularly to the centre line of said container-receiving trough; said container receiving trough being mounted on said guideways for reciprocation therealong; means for driving said trough along said guideways; a plurality of troughs adapted to accommodate therein the containers for their maintenance and repair, arranged at both sides of said guideways parallel with one another, so that the respective centre line thereof are parallel with the centre line of said container receiving trough and coaxially aligned therewith, as said container-receiving trough is brought into opposition to either one of said plurality of said container-accommodating troughs.

## CLASS 32F.

144657.

Int. Cl.-C08f 3/30.

A METHOD OF DEGASSING POLYMERS AND COPOLYMERS.

*Applicant*: RHONE-POULENC INDUSTRIES, OF 22, AVENUE MONTAIGNE, 75 PARIS (8TH), FRANCE.

*Inventors*: JEAN-BERNARD POMPON AND SALOMON SOUSSAN.

Application No. 532/Cal/76 filed March 27, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims. No drawings.

A method of degassing polymers and copolymers prepared by bulk polymerisation of a monomeric composition based on vinyl chloride in which the polymer is kept under agitation, the monomeric composition to be eliminated from the polymer is brought from polymerisation pressure to a pressure below 120 mm of mercury and the polymer is brought to or kept at a temperature of at least 70°C and below the temperature at which degradation of the polymer or copolymer commence and these conditions of pressure and temperature are maintained until the degassing process stops, and the polymer is put into contact with a quantity of water representing 0.01 to 0.8% of its weight, after the residual monomeric vinyl chloride content of the polymer or copolymer has been reduced below 2000 ppm.

## CLASS 42A, &amp; A.

144658.

Int. Cl.-A24c 5/00.

METHOD AND APPARATUS FOR MAKING FILTER CIGARETTES.

*Applicant*: MOLINS LIMITED, OF 2, EVELYN STREET, DEPTFORD, LONDON, SE8 5DH, ENGLAND

*Inventor*: DESMOND WALTER MOLINS.

Application No. 848/Cal/76 filed May 15, 1976.

Convention date May 20, 1975/(21365/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

A method of making filter cigarettes comprising continuously feeding a wrapped tobacco rod in an axial direction; severing the rod into equal length tobacco sections; continuously feeding alternate tobacco sections onto separate paths; moving the tobacco sections in a direction transverse to their lengths along the two separate paths, the tobacco sections on one path being parallel to and transversely displaced relative to the tobacco sections on the other path; assembling filter portions moving in a direction transverse to their lengths along two separate paths, the filter portions on one path being parallel to and transversely displaced relative to the filter portions on the other path; moving said tobacco sections and said filter portions along portions of said separate paths which are partially common; and uniting axially adjacent filter portions and tobacco sections whilst they are moving transverse to their lengths; wherein said tobacco sections and said filter portions are moved on said partially common portions of said paths in two rows of transversely moving tobacco sections having axially adjacent filter portions, the filter portions being at the same ends of the tobacco sections in each row in relative to the direction of movement of the rows; and said axially adjacent filter portions and tobacco sections are formed into individual filter cigarettes by wrapping in uniting bands which overlap the end portions only of the adjacent filter portions and tobacco sections.

## CLASS 98-I.

144659.

Int. Cl.-F24j 3/02.

A SOLAR COLLECTOR.

*Applicant*: AKIRA NADAGUCHI, 5651 FUJISAWA, FUJISAWA-SHI, KANAGAWA-KEN, JAPAN.

*Inventor*: MIKIO NADAGUCHI.

Application No. 1237/Cal/76 filed July 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 39 Claims.

A solar collector comprising an integrated array of fresnel units, each unit having a succession of concentric cylindrical beam concentrating fresnel segments derived from a corresponding imaginary cylindrical beam concentrating surface, the axes of all the cylindrical surface of said units, the optical axes of said units and the focal lines of said units being respectively parallel to each other, the surfaces of said fresnel segments having starting positions from a plurality of parallel lines located substantially on a common plane which is perpendicular to the optical axes of said cylindrical surfaces, adjacent imaginary cylindrical surfaces overlapping to overlap adjacent units and integrate the fresnel segments, such that adjacent fresnel segments of one unit formed of one imaginary cylindrical surface are separated by fresnel segments of an adjacent unit formed of a different imaginary cylindrical surface.

## CLASS 32Fa &amp; 55D.

144660.

Int. Cl.-A01n 9/20, C07c 131/00.

PROCESSES FOR PRODUCING A NOVEL OXIME ETHER.

*Applicant*: CIBA-GEIGY AG, OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

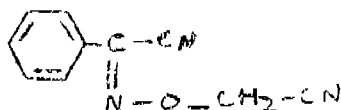
*Inventor*: HENRY MARTIN.

Application No. 1518/Cal/76 filed August 20, 1976.

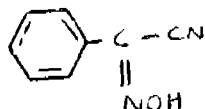
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Process for producing phenylglyoxylonitrile-2-oxime-cyano-methyl ether of formula I.



which process comprises reacting a salt, especially an alkali metal salt, of phenylglyoxylonitrile-2-oxime of formula II.



with a halogenoacetonitrile of formula Hal - CH<sub>2</sub> - CN.

CLASS 146D<sub>a</sub>.

144661.

Int. Cl.-H01s 3/02.

A MULTILAYER REFLECTOR FOR USE IN OPTICS.

*Applicant* : N. V. PHILIPS' GLOEILAMPENFABRIEKEN AT EMMASINGEL, EINDHOVEN, NETHERLANDS.

*Inventors* : JOHANNES VAN DER WAL WILHELMUS ADRIANUS JACOBUS GIELENS AND JOHANNES MARIA MARINUS PASMANS.

Application No. 1749/Cal/76 filed September 22, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A reflector comprising a substrate bearing a system of vapour deposited or sputtered oxide layers alternately having high and low refractive indices, wherein at least the last layer in the system which is most remote from the substrate having a high refractive index consists of a mixture of at least one of the metals of thorium, titanium, zirconium, or hafnium formed in an oxidizing medium and at least one of the oxides of beryllium, magnesium or calcium.

CLASS 27-I.

144662.

Int. Cl.-E04c 3/02, E04b 1/243.

A COLLAPSIBLE MODULE.

*Applicant & Inventor* : SUJASH KUMAR BAIN, OF AE 549 SALT LAKE CITY CALCUTTA-700064, INDIA.

Application No. 239/Cal/77 filed February 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A module having collapsible properties comprising an upper and lower member, each of said members comprising a base member, side members hingedly connected at their proximal ends to said base member, the distal end of the side members of the lower member being connected to the distal end of the respective side members of the upper member, the sides of said side members being straight and such that when the module is in an erect position the sides of said side members are in a vertical or substantially vertical plane.

CLASS 35C.

144663.

Int. Cl.-C04b 31/02.

NON SHRINKING GROUT.

*Applicant & Inventor* : DR. HOSAGRAHA CHANDRA SHEKHARIA VISVESVARAYA, OF M-10, SOUTH EXTENSION PART-II, NEW DELHI-110049, INDIA.

Application No. 19/Del/76 filed October 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

A non-shrinking grout for use with cement mortar comprising a first, second and third compositions, said first composition consisting of oxides selected from the group consisting of calcium, aluminium, silicon and iron, said second composition consisting of calcium oxide and sulphates selected from calcium and magnesium and said third composition consisting of activated iron.

CLASS 35C.

144664.

Int. Cl.-C04b 13/16.

A METHOD OF PREPARING A NON SHRINKING CEMENT MORTAR.

*Applicant & Inventor* : DR. HOSAGRAHA CHANDRA SHEKHARIA VISVESVARAYA, M-10, SOUTH EXTENSION, PART-II, NEW DELHI-110049, INDIA.

Application No. 20/Del/76 filed October 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims. No drawings.

A method of preparing a non-shrinking cement mortar which comprises adding to a mixture of cement, sand and water, a non shrinking grout which is made from a first, second and third compositions said first composition consisting of oxides selected from the group consisting of calcium, aluminium, silicon and iron, said second composition consisting of (i) calcium oxide and (ii) sulphates selected from calcium and magnesium, and said third composition consisting of activated iron, the grout forming 10 to 20% by weight of the said cement mortar, balance being made of said cement, sand and water.

CLASS 187B & E<sub>a</sub>.

144665.

Int. Cl.-H04m 1/24, 1/56.

PORTABLE ELECTRONIC DIAL TESTER FOR TESTING TELEPHONE DIALS FROM SUBSCRIBER'S PREMISES.

*Applicant & Inventor* : RAJENDRAN, OF OR, 1, FOURTH FLOOR, MANDVI TELEPHONE EXCHANGE, MOHAMMAD ALI ROAD, BOMBAY-3, STATE OF MAHARASHTRA, INDIA.

Application No. 279/Bom/75 filed October 15, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

8 Claims.

A dial tester consisting of : (i) an input circuit comprising a diode bridge rectifier connected to the input terminals, the said rectifier connected to the input of an optical coupler, the output of the said coupler being in turn connected to a transistor which drives a pulse sharing network consisting of inverters connected in cascade whose outputs are capacitively loaded; (ii) a dial counter being a 4 bit binary counter connected to the output of the pulse shaping network and which is provided with a visual display comprising 4 light emitting diodes connected to each of the said bits in the dial counter; (iii) a frequency source comprising an astable multivibrator generating 100 or 1000 pulses/Sec; (iv) a time counter driver comprising a toggle bistable which closes or opens a gate feeding the pulse generated by the frequency source to the time counter; (v) a time counter comprising an 8 bit binary counter connected to the frequency source through the time counter driver and provided with 8 light emitting diodes which read of the pulses generated in the required interval of time; (vi) a power supply stage comprising a series regulator transistor whose base is driven by another transistor which is controlled by a zener diode connected to the output voltage; (vii) a mode selector which controls the toggle bistable to open the gate feeding the pulses to the time counter either in the total period or in each break period; (viii) a reset switch which resets all the counters and the

toggle before conducting the test; characterised in that the input terminals of the device are connected to the rosette of the dial of the telephone instrument, the handset of the telephone instrument lifted and any number dialled which can be read of on the dial counter and the total pulses generated from the said frequency source passed through to the time counter during the dialling of the said number is recorded on the display of the time counter, the condition of the dial being compared with standard results for a properly functioning dial.

CLASS 32F.c & 88F.

144666.

Int. Cl.-C01b 2/00, C10j.

C10k 1/00, C07c 31/06.

METHOD FOR THE PRODUCTION OF METHANOL SYNTHESIS GAS ADAPTED ON SUBJECTION TO METHANOL SYNTHESIS CONDITIONS TO PRODUCE METHANOL.

*Applicant* : CAPITAL PLANT INTERNATIONAL LIMITED, OF 10 STOREY'S GATE, WESTMINSTER, LONDON SW1P 3AY, ENGLAND.

*Inventor* : ARPAD ARTHUR JOSEPH KAZIMIERZ ESKREISS.

Application No. 42/Cal/76 filed January 7, 1976.

Convention date January 15, 1975/(1749/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method for production of a methanol synthesis gas adapted on subjection to methanol synthesis conditions to produce methanol in which a water gas comprising carbon monoxide and hydrogen, and hydrogen sulphide and other impurities, is treated by (i) mixing the water gas with steam; (ii) contacting the resulting mixture in a reaction zone with a catalyst (as hereinbefore described) active both for a carbon monoxide shift reaction bringing the relative proportions of carbon monoxide and hydrogen to those required for methanol synthesis and for a conversion of said other impurities to easily removable form; (iii) recovering the resulting purified methanol synthesis gas from the reaction product obtained in (ii) and (iv), if desired, subjecting such recovered gas

to conventional methanol synthesis conditions and collecting the methanol thus produced.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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#### PATENTS SEALED

140341 140453 140785 141076 141326 141646 141824 141873  
141939 142240 142257 142267 142287 142300 142318 142321  
142339 142341 142356 142359 142360 142370 142373 142456  
142458 142464 142470 142477 142484 142487 142488 142491  
142613 142761 142762 142770 142813 142832 142834

#### LIST NO. II

#### COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year, 1976 generally on account of want of requests for Licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licences for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of the Patentee	Brief title of the invention
1	2	3	4	5
1	133925	13-12-1971	The English Electric Co. Limited, 1 stanhope gate, London W1A 1EM, England.	High voltage monitoring system.
2	133973	16-12-1971	Siemens AG; Berlin and Munich; West Germany.	Making magnetic material laminations.
3	134022	21-12-1971	Girling Limited, Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motors.
4	134056	24-12-1971	Kinberly-Clark Corpn; Neenah, Wisconsin, USA.	Coated electrical insulating paper and method of making it.
5	134149	31-12-1971	Igor Alexandrowich and Other, Kier Delegatsky, Pervelock, 37, KV 10, USSR.	Means for transporting an information carrier.

1	2	3	4	5
6	134196	05-01-1972	Banker Ramo Corporation, 900 Commerce drive, Oakbrook North, Oak-Brook-Illinois, USA.	Miniature connector modulator.
7	134256	12-01-1972	Delle-Alsthom, 130 Leon Blum, 69 Villeurbanne, France.	Disconnection coil boxes of oilcircuit breakers.
8	134280	14-01-1972	Legg (Industries) Ltd.; Wolverhampton, Staffordshire, England.	Battery charging apparatus.
9	134312	18-01-1972	Thorn Electrical Industries Line; Thorn House, Upper Saint Martin's Lane, London, WC2H 9ED, England.	Tungsten Halogen lamp.
10	134473	02-02-1972	Siemens AG; Berlin & Munich, West Germany.	Digital Information transmission system.
11	134474	02-02-1972	Do.	Electro-mechanical filters and apparatus and method of trimming same.
12	134486	03-02-1972	Bose Corp; One Strathmore Road, Natick, Massachusetts 01760, USA.	Loudspeaker system.
13	134550	09-02-1972	The General Corp; 1116, Suenaga, Kawasaki, Kanagawa-Ken, Japan.	Colour television receiver.
14	134556	09-02-1972	Ernst-Jacobi & Co.; 8900 Augsburgstrasse 41/43, F.R.G.	Sliding current conductor for mobile cleaning apparatus for textile machinery.
15	134580	11-02-1972	The General Corp; 1116, Suenaga, Kawasaki, Kanagawa Ken, Japan.	A colour television receiver for use in transmission system.
16	134670	18-02-1972	Sibirsky Gosudarstvenny etc; Novosibir, Ulitsa, Revoljutsiya 38, USSR.	Measurement of Q-meter.
17	134700	22-02-1972	Delle-Alsthon, 130 rue Leon Blum 69 Villeurbanne, France.	An elongated insulator casing of a cut out chamber for an electric circuit.
18	134839	06-03-1972	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	Semiconductor devices.
19	134853	07-03-1972	American Cynamid; Wayne, New Jersey, U.S.A.	Electrochemical current producing cell.
20	134856	27-07-1970	Ted Bildplatten etc; CH-6301 Zuglschweig, Haniball 8 Post Jach 126, Switzerland.	A pick up for scanning a carrier along a predetermined track.
21	134857	27-07-1970	Ted Bildplatten etc.	Pick up adopted for playback of signals stored in a carrier.
22	134873	08-03-1972	ICI Ltd; Imperial Chemical House Millbank, London SW 1, England.	Electrodes for electrochemical processes.
23	134931	14-03-1972	Izyashav Berl seovich Peshkov & Others. Prospect Mira 184, Karpus 2, KV 146, Moscow-USSR.	Electric wire.
24	134968	17-03-1972	ICI Limited.	Fuse cord.
25	135052	25-03-1972	E. F. Baxter 1, Craven Hill Gardens, London, W.2, England.	Battery electric driven vehicles.
26	135189	06-04-1972	Raymond C. Glicksberg; 704 Santa Monica, Blvd. Santa Monica, California 909401, U.S.A.	A sound amplitude limiting device.
27	135190	06-04-1972	Siemens AG; Berlin & Munich, West Germany.	Radio Relay network system for the transmission of digital signals containing at least one radio relay station serving a plurality of relay links.
28	135232	11-04-1972	RCA Corp; 30 Rockjeller Plaza, New York, New York, 10020, U.S.A.	Making semiconductor device.
29	135233	11-04-1972	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	Liquid cooled rotor for dynamic-electric machines.
30	135247	12-04-1972	RCA Corp. 30 Rockjeller Plaza, New York, New York-10020, U.S.A.	An improved integrated circuit device.
31	135267	13-04-1972	Do.	Forming beam leads on semiconductor device.



1	2	3	4	5
32	135280	15-04-1972	NL Industries Inc; 1221 Avenue of the Americas, New York, N. Y. 10020, U.S.A.	Monolithic Capacitor.
33	135293	17-04-1972	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	Plug in bus duct with heat dissipation means.
34	135300	17-04-1972	Leningradsky Dvazhdy etc ; Leningrad Sverdlovskaya, Noverzhneya, 18 U.S.S.R.	A means for switching hydroelectric Unit from group power control duty into individual power control duty.
35	135326	18-06-1971	Sarabhai Electronics Research Centre ; 3—16, Nuroda Industrial Estate, Ahmedabad, India.	A transmitter capable of transmitting monochrome video signals and plurality of audio signals.
36	135355	15-12-1970	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, USA.	Phosphor coated tubular lamp envelopes.
37	135356	24-12-1970	RCA Corp; 30 Rockjeller Plaza, New York, New York 10020, U.S.A.	A polarization rotation system.
38	135386	19-04-1971	Do.	A wave-guide system.
39	135408	30-05-1972	Do.	Fabrication of monolithic integrated circuits.
40	135475	13-07-1972	C.A.V. Limited, Well Street, Birmingham, England.	Drive circuits.
41	135476	08-06-1971	Udylite Corp; Detrait, Michigan, U.S.A.	Discharging the battery.
42	135493	20-10-1971	Joseph Lucas (Industries) Limited, Great Kings Street, Birmingham, England.	Lamp failure warning system.
43	135498	08-09-1972	Siemens AG; Berlin & Munich, West Germany.	A circuit arrangement for generating to amplitude stabilised sinusoidal signals which are 90 out of phase relative to one another.
44	135501	15-05-1972	Hans Staeger & Manfred Malzacher (1) of D-7024, Bernhausen, Talstrasse 84 (2) of D-7021, Statter, Obergarden, 31, West Germany.	Connecting elements for panels.
45	135558	08-03-1972	RCA Corp; 30 Rockjeller Plaza, New York, New York-10020, U.S.A.	A semi conductor device.
46	135559	08-03-1972	Do.	A method of assembling semiconductor device.
47	135569	04-05-1972	Do.	Semi conductor device having stable high voltage junctions.
48	135620	21-11-1972	Harold George Poole, Aspenden House, Aspenden, Buntingford, Hertfordshire, England.	Towering connections.
49	135627	25-07-1972	British Steel Corp; 33 Grossvenor Place, London S.W. 1, England.	Control of electric welding.
50	135664	09-09-1970	BICC Ltd. & ICI Ltd. (1) of Bloomsbury street, London W. C. 1 (2) ICI House, Millbank London S. W. 1, England.	Insulated electric conductor.
51	135672	20-10-1972	Sonwa Electric works Ltd; 7-23, Nakamachi-1-chome, Kogan-shi, Japan.	Circuit tester.
52	135679	10-08-1972	Gestetner Limited ; Fauley Road, Tattenham. London N. 17, England.	Electrophotographic sheet and copying using the same.
53	135716	07-09-1972	General Electric Co ; 1 River Road, Schenectady 5, New York, U.S.A.	A vertical induction motor.
54	135727	01-09-1972	Westinghouse Electric Corporation Pittsburgh, Pennsylvania, U.S.A.	An encapsulated semi-conductor device
55	135731	01-11-1972	Siemens AG; Berlin and Munich, West Germany.	A relay station for use in a telecommunication transmission system.
56	135733	31-05-1972	Do.	Frequency band width divider circuit arrangement.

1	2	3	4	5
57	135918	13-09-1972	Eli Lilly & Co., 740 South Alabama street, Indianapolis, Indiana, U.S.A.	Electronic system and method for capsule inspection.
58	135984	28-04-1972	Massey Ferguson Inc; 12601, Southfield Road, Detroit, Michigan-48223, U.S.A.	Multiratio transmission and controls therefor.
59	136003	25-07-1972	Westinghouse Electric Corp; Pittsburgh Pennsylvania, U.S.A.	General Illumination fluorescent lamp which accepts the colour of green objects.
60	136011	08-06-1971	Udylite Corp; Detroit, Michigan, U.S.A.	Charging the battery
61	136015	18-05-1972	Fabbrica Italiana Magneti Marelli SpA, via Gaustalla 2-Milan, Italy.	A brush holder cover for low power electric motors.
62	136022	08-08-1972	Bunker Ramo Corporation 900 Commerce Drive, Oakbrook, Illinois, U.S.A.	Multi Contact connector
63	136030	24-04-1972	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania.	Signal receiving apparatus for vehicle control, system.
64	136033	15-04-1972	NL Industries Inc; 1221 Avenue of the Americas New York, N. Y. 10020, U.S.A.	Multilayer circuit structure.
65	136111	23-03-1972	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	Insulating hose member for use in the cooling system of a liquid cooled rotor for dynamo electric machines.
66	136114	02-05-1972	USS Engineers & Consultants Inc; 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Laminated iron core induction corner heating unit.
67	136155	28-04-1971	Bunker Ramo Corp; Oakbrook North, Oakbrook, Illinois, U.S.A.	A terminal assembly for an integrated circuit package.
68	136156	21-06-1972	Westinghouse Electric Corp;	Water cooled rotor for dynamo electric machines
69	136180	12-05-1972	The Lucas Electrical Co. Ltd., Well Street, Birmingham 19, England.	Printed electric wiring arrangements.
70	136216	27-12-1972	Union Carbide Corporation, 270 Park Avenue, New York, N. Y. 10017, U.S.A.	Non aqueous electrochemical cell.
71	136229	04-05-1972	Morganite Carbon Ltd., Battersea Church Rd., London S.W. 11, England.	Electrical Contact brush assemblies.
72	136269	07-06-1972	Joseph Lucas (Industries) Ltd., Great Kings Street, Birmingham, England.	Electric Switches.
73	136277	21-04-1972	La Telemecanique Electrique, 33, Bis Avenue du mal Joffre, 92-Nanterre, France.	Triggering device for switchgear.
74	136293	07-06-1972	CAV Ltd., Well street, Birmingham 19, England.	Warning circuits.
75	136295	04-07-1972	Westinghouse Electric Corp; Pittsburgh, Pennsylvania, U.S.A.	Rotor for synchronous dynamoelectric machines.
76	136303	29-05-1972	Joseph Lucas (Industries) Ltd., Great Kings Street, Birmingham, England.	Electric switches.
77	136320	24-05-1972	Bunker Ramo Corp; 900 Commerce Drive, Oakbrook, Illinois, U.S.A.	Electrical connector.
78	136338	20-10-1972	Siemens AG; Berlin & Munich, (West Germany).	Production of electric conductor insulated with crosslinked polyethylene.
79	136343	30-10-1972	Do.	Production of cross linked polyethylene sheathing and or insulation in an electric cable or conductor.
80	136345	16-06-1972	The Joseph Electrical Co. Limited, Well Street Birmingham 19, England	Switch actuating mechanism.
81	136353	18-03-1972	Fabbrica Italiana Magneti Marelli S. p. A., Via Gaustalla, 2-Milano, Italy	Cover or lid provided with bush holder for low power electric commutator motors.
82	136367	29-05-1972	Siemens AG; Berlin & Munich, West Germany.	Apparatus for controlling a synchronous machine.

1	2	3	4	5
83	136370	10-08-1972	Westinghouse Electric Corpn; Pittsburgh, Pennsylvania, U.S.A.	Liquid cooled rotor for dynamoelectric machines.
84	136380	03-08-1972	Do.	Do.
85	136383	18-08-1972	Bunker Ramo Corpn; 900 Commerce Drive, Oakbrook, Illinois, U.S.A.	Electrical feed through assemblies for containment structures having especially controlled environments.
86	136392	08-06-1972	International Nickel Ltd; Thames House, Millbank, London S.W. 1, England.	Production of iron electrodes for storage batteries.
87	136425	17-07-1972	Matsushita Seiko Co. Ltd; 18, Imajukukita, 1-chome, Joto-ku, Osaka, Japan.	Electric fan.
88	136428	27-07-1972	The K.C.P. Ltd; 38 Mount Road, Madras-6, India.	Rav I Plug.
89	136431	11-05-1972	Joseph Lucas (Industries) Limited, Great Kings Street, Birmingham, England.	Electrical switches.
90	136452	18-07-1972	Westinghouse Electric Corpn; Pittsburgh, Pennsylvania, USA.	Rotor for dynamoelectric machines.
91	136491	02-08-1972	Do.	Sealing means for liquid cooled rotors.
92	136494	07-03-1972	Cambridge Research Development Group of Connecticut, USA (2) Sanford David greenberg, of Washington DC, USA. (3) Dr. Liquidating Partnership of New York, and (4) Murray Morton Schiffman of Waterport, USA.	Processor for electric signals.
93	136498	07-09-1972	Dr. P. Immis; 3213 Eldagsen, Komisbergerstr 4, West Germany.	Electrical Generator.
94	136519	01-09-1972	Westinghouse Electric Corpn; Pittsburgh, Pennsylvania, USA.	Vertical dynamoelectric machine with improved stator support means.
95	136530	04-01-1973	Girling Ltd; Kings Road, Tyseley, Birmingham 11, England.	Servo boosters for vehicle brake system.
96	136560	24-01-1973	Globe-Union Inc; 5757 North Green Bay Avenue, Milwaukee, Wisconsin-53201, USA.	Closure assembly for storage battery.
97	136566	17-06-1972	British Insulated Callender's Cables Limited, 21 Bloomsbury street, London W.C. 1, England.	Manufacture of insulated electric cables.
98	136591	08-08-1972	Westinghouse Electric Corpn; Pittsburgh, Pennsylvania, USA.	Current limiting fuse.
99	136615	03-02-1973	The Lucas Electrical Co. Ltd., Well street, Birmingham-19, England.	Electro magnetic relay.
100	136659	13-06-1973	The General Electric Co. Limited, 1 Stanhope Gate, London W1A 1EH, ENGLAND.	Self tuning units.
101	136661	11-05-1972	Joseph Lucas (Industries) Limited, Great Kings Street, Birmingham, England.	Wiring arrangements.
102	136669	17-07-1972	C. A. V. Limited, Well street, Birmingham, 19, England.	Flashing lamp circuits.
103	136780	21-10-1972	Burroughs Corpn; 6071 Second Avenue at Burroughs, Detroit, Michigan-48232, USA.	Electronic counting device.
104	136795	15-06-1972	Girling Limited, Kings Road, Tyseley, Birmingham-11, England.	Servo boosters.
105	136801	28-12-1972	Societe Nationale Elf Aquitaine (Production), Tour Aquitaine, 92-Courbevoie, France.	A direct emission spectrometric device.
106	136816	02-05-1972	RCA Corpn; 30 Rockefeller Plaza, New York, New York-10020, USA.	Television display system.
107	136817	03-05-1972	Do.	A deflection yoke adopted for use in a colour image display system.
108	136818	30-05-1972	Do.	Magnetic beam adjusting device.
109	136824	03-05-1972	Do.	Colour image display system.

1	2	3	4	5
110	136826	21-10-1972	Bunker Ramo Corp; 900 Commerce Drive Oak-Brook, Illinois, USA.	Electrical connector assemblies.
111	136850	10-05-1972	RCA Corp; 30 Rockejeller Plaza, New York, New York-10020, USA.	A colour image display system.
112	136871	11-10-1972	Bunker Ramo Corp; 900 Commerce Drive, Oak-Brook, Illinois, USA.	Integrated circuit package connectors.
113	136872	28-10-1972	P. R. Mallory & Co. Inc. 3039 East Washington Street Indianapolis, Indiana, USA.	Capacitor having an anchoring Spik.
114	136907	05-05-1972	Electric Power storage Limited; Clifton Junction, Swinton, Manchester, Lancashire, England.	Electrical storage batteries.
115	136945	21-11-1972	Cutler Hammer World Trade Inc; 4201 North 27th East Street, Wilwaukee, Wisconsin-53216, U.S.A.	Electrical switches.
116	136966	01-11-1972	Siemens AG; Berlin & Munich, West Germany.	An electromechanical device being a transducer for use in electrical filters.
117	136968	05-12-1972	Sony Corp; 7-35 Kitashinagawa-6, Shinagawa-KU, Tokyo, Japan.	Decoding system for colour television receiver.
118	136969	23-08-1972	Do.	Decoding system for colour television.
119	136975	07-09-1972	Aluminium Co. of America, Alcoa Bldg., Pittsburgh Pennsylvania, USA.	An electrode assembly.
120	136998	29-01-1973	Westinghouse Electric Corporation; Pittsburgh, Pennsylvania, USA.	Rectifier assembly for brushless excitation systems.
121	137027	27-12-1972	Union Carbide Corp; 270 Park Avenue, New York, N.Y. 10017, USA.	Primary dry cell with anode cup bottom.
122	137039	30-01-1973	Siemens AG; Berlin and Munich, West Germany.	Electrical fuse element.
123	137054	27-12-1972	Do.	Telecommunication system.
124	137066	03-04-1973	Do.	An apparatus providing plurality of signal paths having a circuit for blocking said paths.
125	137086	05-07-1973	Bunker Ramo Corp; 900 Commerce Drive, Oak-Brook, Illinois, USA.	One Piece environmental removable contact connector.
126	137132	04-10-1972	Megapulse Inc; 33 Jones Road, Waltham, Massachusetts-02154, U.S.A.	Magnetic pulse compression radio frequency generator.
127	137150	26-10-1972	International Nickel Limited, Thomes House, Mill-Bank, London S.W. 1, England.	Battery electrodes.
128	137265	22-12-1972	Siemens AG; Berlin and Munich, West Germany.	An electrical fuse assemblies.
129	137290	07-12-1972	The Lucas Electrical Co. Limited, Well street, Birmingham-19, England.	Semiconductor device.
130	137326	13-07-1973	Siemens AG; Berlin and Munich, West Germany.	Radio relay systems.
131	137351	09-01-1973	Allmanna Svenska Elektriska Akt; Vasteras, Sweden.	Insulating part of electric switching device.
132	137439	31-01-1973	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, USA.	A transducer device.
133	137705	20-06-1973	RCA Corp; 30 Rockjeller Plaza, New York, N. Y. 10020, USA.	Electron beam deflecting circuit.
134	137713	16-11-1973	Do.	Leakage current prevention in semiconductor integrated circuit device.
135	137938	21-12-1973	Westinghouse Electric corporation, Pittsburgh, Pennsylvania, USA.	Electrical transformer.
136	138095	17-10-1973	Westinghouse Electric Corporation.	Method of making a thyristor.
137	138118	10-08-1972	Energy Sciences Inc; 111 Terrace Hall Avenue, Burlington, Massachusetts-01803, USA.	Electron beam bulk sterilisation.

1	2	3	4	5
★ 138	138160	01-02-1974	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, USA.	Rectifier assembly for brushless excitation system.
139	138161	06-02-1974	Bunker Ramo Corporation, 900 Commerce Drive, Oak Brook, Illinois, USA.	Electrical socket and socket contact adopted for use therewith.
140	138259	20-02-1973	Westinghouse Electric Corpn;	A multipole circuit breaker.
141	138272	09-10-1973	Westinghouse Electric Corpn;	Rectifier assembly for brushless excitation.
142	138295	29-03-1974	Siemens AG; Berlin and Munich, West Germany.	Radio relay system.
143	138299	22-08-1973	The Lucas Electrical Co Ltd., Well street, Birmingham 19, England.	Electrical switches.
144	138306	12-03-1973	Maschinenfabrik Reinhausen Gebruder Scheubeck KG; 8 Falkensteinstrasse 84, Regensburg, F. R. of Germany.	Electrical resistance element and load diverter switch incorporating the same.
145	138309	25-07-1973	Burroughs Corpn; Burroughs Place, Detroit, Michigan-48232, USA.	Apparatus for operating multiple position gas discharge devices directly from semiconductor integrated circuits.
146	138314	24-03-1973	The Lucas Electrical Co. Limited, Well street, Birmingham 19, England.	Electrical switch.
147	138355	24-08-1973	Siemens AG; Berlin and Munich, West Germany.	An electrical switching device.
148	138364	22-01-1973	Bunker Ramo Corpn; 900 Commerce Drive, Oak-Brook, Illinois, USA.	One piece free standing terminal adapted for use with circuit board.
149	138368	18-04-1973	RCA Corpn, 30 Rockefeller Plaza, New York, N. Y. 10020, USA.	A colour image composite signal translating system.
150	138414	15-02-1973	The Lucas Electrical Co. Ltd., Well Street, Birmingham, England.	Overload protection circuit for semiconductor in battery charging system.
151	138418	07-02-1974	Maschinenfabrik Reinhausen Gebruder Scheubeck KG; 8, Falkensteinstrasse, 8400 Regensburg, FRG.	Three phase tap changer switches.
152	138420	20-07-1973	The Lucas Electrical Co. Limited, Well Street, Birmingham 19, England.	Solenoid switches.
153	138463	21-11-1973	Allmanna Svenska Elektriska Akt, Vasteras, Sweden.	Series Capacitor bank for achieving an uninterrupted stabilization of the condition of operation in high voltage electric power supply net works.
154	138589	18-02-1974	Hercules Hoists Limited, Minerva Industrial Estate, Opp ; Ralliwolf, Lal Bahadur Shastri Marg, Bombay-400080.	Circuit to prevent wrong connections of power supply to electrical equipment.
155	138750	28-02-1973	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, USA.	Encapsulated solid state electronic devices.
156	138813	04-04-1973	CAV Ltd. Well Street, Birmingham 19, England.	Electrical square wave oscillation.
157	138821	05-02-1974	Thomson-CSF, 173 Blvd Baussniann, 75360 Paris, Cedex 08, France.	Resistive power loads.
158	138874	16-03-1974	The Lucas Electrical Co. Limited, Well street.	Direction indicator switches.
159	138961	25-01-1974	Bunker Ramo Corpn; 900 Commerce Drive, Oak Brook, Illinois, USA.	Electrical connector unit for loadless circuit device.
160	139305	15-11-1974	The Lucas Electrical Co. Limited, Well street, Birmingham-19, England.	Proximity switching circuits.
161	139673	31-12-1973	Do.	Bulb holder assemblies for lamp units.

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentees for the grant of licence for the purpose.

Sl. No.	Patent No.	Date of Patent	Name and address of Patentee	Brief title of invention
1.	2.	3.	4.	5.
1	129706	23-9-1971	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	Continuous counter-current ion exchange apparatus.
2	132864	10-9-1971	Corning Glass Works, Corning, New York U.S.A.	Control system for electric furnaces.
3	113300	4-10-1971	Union Carbide Corp., 270, Park Avenue, New York, N.Y. 10017, U.S.A.	Regulating the optimum current required for producing metallurgical products.
4	134375	12-9-1972	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	Insoluble anodes for electro-chemical processes.
5	136162	3-8-1972	Do.	A mandrel system for winding horizontal deflection coils for T. V. receiver.
6	137072	30-5-1973	Commonwealth of Australia, C/o. The Postmaster General's Dept., 59, Little Collin St. Melbourne, Australia.	Radio receiver.
7	137629	1-5-1973	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	A soldering bit for desoldering dual in line integrated circuit packages and sockets.
8	138498	28-11-1972	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, U.S.A.	An electric insulated binding tape.
9	138514	28-2-1973	R.C.A. Corporation, 30, Rockefeller Plaza, New York, N.Y. 10020, U.S.A.	Beam adjustment apparatus.
10	138590	2-3-1973	The Electric Actuator Company Ltd. Bolling Road, Bedford 4, County of New York, England.	Electric actuators.
11	138601	22-3-1973	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	A device for locking deflection coil of T. V. picture tube.
12	138711	17-7-1974	Westinghouse Electric Corporation, Pittsburgh, Pennsylvania, U.S.A.	An amplifier with failsafe predetermined gain.
13	138931	6-4-1973	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	High frequency step-attenuators.
14	139009	16-12-1972	Mitsubishi Petrochemical Co. Ltd. and Dainichi Nihon Densen K-K Japan.	Production of electrical conductors covered with cross-linked materials.
15	139058	19-4-1974	Mosebach Manu. Co., 1115 Arlington Avenue, Pittsburgh, Pennsylvania, USA.	Grid resistor.

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent bracket are the dates of the patents.

No.	Title of the invention	
104637 (20-4-72)	A process for the production of 4-amino-5-halo-2- substituted benzamide derivatives.	108998 (20-4-72) A process for the preparation of basic ethers.
106264 (20-4-72)	Process for preparing cyclic thioimides.	109077 (20-4-72) Process for preparing imidazoles.
108014 (17-11-66)	Process for the electrolytic production of manganese dioxide.	110639 (20-4-72) Process for manufacture of 1, 2-dihydrobenzodiazepines.
		113276 (20-4-72) Process for the preparation of new morpholine derivatives.
		116285 (20-4-72) Process for the stabilization of ascorbic acid and of derivatives thereof.
		117079 (20-4-72) Process for isolation and separation of psoralene and isopsoralene.
		117339 (20-4-72) Process for the production of 2, 4-diamino 6-(substituted acylamino) quinazolino compounds.

- 118204 (20-4-72) Process for preparation of steroid ketone derivatives.
- 118997 (20-4-72) Process for the preparation of novel-1-phenoxy-2-hydroxy-3-alkylaminopropanes.
- 120437 (20-4-72) A method for the preparation of basic amino acid salt of chloramphenicol succinate.
- 122377 (20-4-72) Method of preparing novel heterocyclic benzamides.
- 122574 (20-4-72) Oleandomycin recovery.
- 126393 (20-4-72) An improved method for the manufacture of calcium hypophosphate.
- 126557 (20-4-72) Process for the preparation of dibenz (a, b)—5H-cycloheptene derivatives.
- 127347 (20-4-72) A process for the preparation of imidazole derivatives.
- 127348 (20-4-72) Process for preparing imidazole derivative.
- 133659 (17-11-71) Process for manufacture of azo compounds.
- 133766 (26-11-71) Process of recovering pure maleic anhydride.
- 133946 (20-4-72) Recovery of cephalothin salts.
- 134079 (27-12-71) Process for preparing azo dyes form 2, 6-diaminopyridine derivatives.
- 134444 (31-1-72) Vulcanisation of elastomers.
- 134517 (4-6-70) Process for preparing of aluminium phosphate.
- 135255 (12-4-72) Process for the preparation of concentrate hydrogen peroxide.

## RENEWAL FEES PAID

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## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 137099 dated the 4th October, 1972 made by Murli Naraindas Uttam on the 16th August, 1977 and notified in the Gazette of India, Part-III, Section 2 dated the 15th October, 1977 has been allowed and the said patent restored.

S. VEDARAMAN,  
 Controller-General of Patents, Designs,  
 and Trade Marks.

